

Surface Active Agent Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix

Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	--
7. Materials Consumed by Kind: 2002 and 1997.....	8

Appendixes

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
325613, Surface active agent manufacturing	2002..	141	169	7 352	373 203	3 428	7 444	180 530	1 848 079	3 483 230	5 343 647	'529 097
	2001..	N	N	8 710	433 932	4 138	7 336	203 412	1 754 423	3 044 145	4 838 886	461 875
	2000..	N	N	8 679	442 975	3 946	7 612	193 118	2 412 432	2 846 919	5 213 964	491 769
	1999..	N	N	9 622	464 301	4 937	9 316	195 116	2 404 270	2 528 882	4 855 553	1 037 360
	1998..	N	N	9 448	478 621	4 993	10 945	214 787	1 845 225	2 394 033	4 260 120	322 427
	1997..	183	210	9 442	461 578	4 981	11 466	210 954	2 127 390	2 656 604	4 786 083	288 270

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325613, Surface active agent manufacturing												
United States	1	169	78	7 352	373 203	3 428	7 444	180 530	1 848 079	3 483 230	5 343 647	'529 097
California	5	14	4	368	15 951	156	323	6 563	49 105	106 343	151 633	'6 516
Illinois	2	14	9	1 722	72 610	718	1 782	39 756	267 331	605 911	875 433	'24 713
New Jersey	1	14	9	834	37 127	280	600	16 736	85 409	221 962	308 602	'9 557
New York	4	3	3	111	6 784	45	83	1 969	21 669	18 066	39 736	'824
North Carolina	2	16	6	412	22 324	259	564	12 635	59 514	86 727	142 160	'26 927
Pennsylvania	1	8	4	322	17 433	187	428	9 402	80 782	119 019	204 596	'11 478

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
325613, Surface active agent manufacturing	
Companies ¹	number.. 141
All establishments ²	number.. 169
Establishments with 1 to 19 employees	number.. 91
Establishments with 20 to 99 employees	number.. 59
Establishments with 100 employees or more	number.. 19
All employees ³	number.. 7 352
Total compensation	\$1,000.. 475 511
Annual payroll	\$1,000.. 373 203
Total fringe benefits	\$1,000.. 102 308
Production workers, average for year	number.. 3 428
Production workers on March 12	number.. 3 343
Production workers on May 12	number.. 3 496
Production workers on August 12	number.. 3 450
Production workers on November 12	number.. 3 415
Production worker hours	1,000.. 7 444
Production worker wages	\$1,000.. 180 530
Total cost of materials	\$1,000.. 3 483 230
Materials, parts, containers, packaging, etc., used	\$1,000.. 3 129 683
Resales	\$1,000.. 169 111
Purchased fuels	\$1,000.. 108 020
Purchased electricity	\$1,000.. 54 959
Contract work	\$1,000.. 21 457
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 043 461
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 5 343 647
Primary products value of shipments	\$1,000.. 4 706 117
Secondary products value of shipments	\$1,000.. 429 480
Total miscellaneous receipts	\$1,000.. 208 050
Value of resales	\$1,000.. 205 390
Contract receipts	\$1,000.. 2 152
Other miscellaneous receipts	\$1,000.. 508
Primary products specialization ratio	percent.. 92
Value of primary products shipments made in all industries	\$1,000.. 6 204 910
Value of primary products shipments made in this industry	\$1,000.. 4 706 117
Value of primary products shipments made in other industries	\$1,000.. 1 498 793
Coverage ratio	percent.. 76
Value added	\$1,000.. 1 848 079
Total inventories, beginning of year	\$1,000.. 428 900
Finished goods inventories	\$1,000.. 299 694
Work-in-process inventories	\$1,000.. 18 385
Materials and supplies inventories	\$1,000.. 110 821
Total inventories, end of year	\$1,000.. 417 459
Finished goods inventories	\$1,000.. 288 545
Work-in-process inventories	\$1,000.. 17 196
Materials and supplies inventories	\$1,000.. 111 718
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 188 036
Total capital expenditures (new and used)	\$1,000.. '529 097
Buildings and other structures (new and used)	\$1,000.. '22 417
Machinery and equipment (new and used)	\$1,000.. '506 680
Automobiles, trucks, etc., for highway use	\$1,000.. '2 406
Computers and peripheral data processing equipment	\$1,000.. '5 359
All other expenditures for machinery and equipment	\$1,000.. '498 915
Total retirements	\$1,000.. '41 888
Gross value of depreciable assets at end of year	\$1,000.. '3 675 245
Depreciation charges during year	\$1,000.. '172 429
Total rental payments	\$1,000.. 22 747
Buildings and other structures	\$1,000.. 11 850
Machinery and equipment	\$1,000.. 10 897
Total other expenses ⁴	\$1,000.. 239 806
Response coverage ratio ⁵	percent.. 85
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 35 339
Communications services ⁴	\$1,000.. 4 253
Legal services ⁴	\$1,000.. 1 864
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 233
Advertising and promotional services ⁴	\$1,000.. 2 226
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 4 376
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 13 180
Management consulting and administrative services ⁴	\$1,000.. 7 562
Taxes and license fees ⁴	\$1,000.. 10 952
All other expenses ⁴	\$1,000.. 158 819

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325613, Surface active agent manufacturing											
All establishments	1	169	7 352	373 203	3 428	7 444	180 530	1 848 079	3 483 230	5 343 647	'529 097
Establishments with—											
1 to 4 employees	8	48	106	4 270	55	94	2 195	18 035	25 590	43 566	'860
5 to 9 employees	7	26	199	10 809	101	218	5 263	46 191	64 243	110 735	'2 991
10 to 19 employees	6	17	223	11 278	101	210	4 611	44 164	58 983	102 289	'2 199
20 to 49 employees	2	32	1 007	58 354	511	1 069	24 851	191 817	235 194	429 338	'13 404
50 to 99 employees	—	27	1 914	101 685	954	1 936	49 181	461 967	752 260	1 219 995	'31 117
100 to 249 employees	2	15	1 983	101 154	905	1 893	46 367	325 512	675 260	1 003 099	D
250 to 499 employees	8	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	60	217	10 753	121	236	5 836	44 577	57 778	102 355	'2 421

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
325613	Surface active agent manufacturing . . .	169	7 352	373 203	3 428	7 444	180 530	1 848 079	3 483 230	5 343 647	'529 097
3256130	Surfactants, finishing agents, and assistants	169	7 352	373 203	3 428	7 444	180 530	1 848 079	3 483 230	5 343 647	'529 097

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325613	Surface active agent manufacturing	2002.. N	X	X	6 204 910
	1997.. N		X	X	4 969 087
3256130	Surfactants, finishing agents, and assistants	2002.. N	X	X	6 204 910
	1997.. N		X	X	4 969 087
32561301	Surfactants, finishing agents, and assistants	2002.. N	X	X	2 433 019
	1997.. N		X	X	534 775
3256130111	Textile assistants	2002.. 24	X	D	D
	1997.. 34		X	S	198 030
3256130121	Textile finishes	2002.. 25	X	D	D
	1997.. 36		X	S	280 655
3256130131	Leather assistants and finishes	2002.. 8	X	43.8	39 435
	1997.. 7		X	S	56 090
32561302	Surfactants (bulk surface active agents)	2002.. N	X	X	3 378 177
	1997.. N		X	X	3 789 562
3256130241	Surfactants (bulk surface active agents)	2002.. 71	X	X	3 378 177
	1997.. 107		X	X	3 789 562
3256130Y	Surfactants, finishing agents, and assistants, nsk, total	2002.. N	X	X	393 714
	1997.. N		X	X	644 750
3256130YWW	Surfactants, finishing agents, and assistants, nsk, for nonadministrative-record establishments	2002.. N	X	X	295 799
	1997.. N		X	X	505 135
3256130YWY	Surfactants, finishing agents, and assistants, nsk, for administrative-record establishments	2002.. N	X	X	97 915
	1997.. N		X	X	139 615

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325613	Surface active agent manufacturing		
00900001	Total materials .....2002..	X	3 129 683
	.....1997..	X	2 332 559
32561303	Bulk surface active intermediates (active weight) mil lb..2002..	D	D
	.....1997..	117.5	71 675
32561305	Bulk surface active agents primarily for detergent purposes (active weight), excluding intermediates mil lb..2002..	D	D
	.....1997..	550.3	110 785
32561307	Other bulk surface active agents (emulsifiers, wetting agents, penetrants, etc.) (active weight), excluding intermediates mil lb..2002..	27.1	18 487
	.....1997..	53.6	40 792
32561100	Glycerin (100 percent) mil lb..2002..	2.2	1 283
	.....1997..	13.4	7 324
31120013	Vegetable oil mil lb..2002..	S	17 606
	.....1997..	176.6	56 709
32562000	Perfume oil mixtures and blends mil lb..2002..	D	D
	.....1997..	D	D
32519901	Fatty acids mil lb..2002..	S	35 246
	.....1997..	S	125 771
31161301	Grease and inedible tallow mil lb..2002..	10.7	3 276
	.....1997..	170.3	42 607
32518103	Chlorine (100 percent Cl basis) 1,000 s tons..2002..	D	D
	.....1997..	D	D
32518105	Sodium carbonate (soda ash) (58 percent Na ₂ O) 1,000 s tons..2002..	D	D
	.....1997..	6.4	1 258
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH) 1,000 s tons..2002..	8.9	1 632
	.....1997..	65.7	11 414
32518821	Sodium tripolyphosphate (STPP) (100 percent NaP ₀) 1,000 s tons..2002..	D	D
	.....1997..	D	D
32518819	All other potassium and sodium compounds .....2002..	X	6 589
	.....1997..	X	13 643
32410013	Refined petroleum products (including mineral oil, naphtha solvents, petrolatum, waxes, etc.) .....2002..	X	23 428
	.....1997..	X	192 989
32500005	All other organic and inorganic chemicals .....2002..	X	450 680
	.....1997..	X	502 294
32310003	Labels, coupons, instructions, and other printed material .....2002..	X	578
	.....1997..	X	1 530
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	7 060
	.....1997..	X	9 784
33240000	Metal containers .....2002..	X	25 795
	.....1997..	X	13 955
32610029	Plastics containers .....2002..	X	28 214
	.....1997..	X	15 144
32610037	Fabricated plastics products, including dispensing pumps and trigger and mist sprayers (excluding containers) .....2002..	X	D
	.....1997..	X	D
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	453 604
	.....1997..	X	382 980
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	259 491
	.....1997..	X	727 170

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.